

## Technical Data Sheet

# Fibracon<sup>®</sup> PTFE + 50% Stainless Steel

PTFE

### Typical characteristics

- Good heat conductivity
- Offers greater chemical resistance than bronze filled PTFE in high pressure applications
- Reduced deformation under load

### Typical industries

- Chemical Processing Industry
- Vehicle Construction
- Electronics
- Oil and Gas
- Mechanical Engineering Industry
- Healthcare
- Food Industry
- Wind Energy

|                              | Test method | Unit                | Guideline value |
|------------------------------|-------------|---------------------|-----------------|
| <b>General properties</b>    |             |                     |                 |
| Density                      | ASTM D4894  | g / cm <sup>3</sup> | 3.35            |
| <b>Mechanical properties</b> |             |                     |                 |
| Hardness                     | Needle      | Shore D             | 60 - 69         |
| Tensile Strength (23°C)      | ASTM D4894  | MPa                 | 14              |
| Elongation at Break          | ASTM D4894  | %                   | 150             |
| <b>Thermal properties</b>    |             |                     |                 |
| Service Temperature          |             | °C                  | -200 to +260    |

This data provides typical values on a small selection of properties of the material and should only be used as a guide to the generic material performance.

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

